

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION DR-93

Effective December 1, 2003

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation 3 years after the effective date.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code and the Texas Engineering Practice Act.

The **Hoelscher Three Quarter Lite Mahogany Double Doors, Non-impact Resistant** manufactured by

Hoelscher Weatherstrip Manufacturing Co., Inc.
1046 West 23rd
Houston, Texas 77008
(713) 869-6466

will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The Hoelscher three quarter lite mahogany double doors are non-impact resistant. The doors may be installed in the following configuration: XO.

Overall Dimensions: 74 $\frac{3}{16}$ " wide by 98 $\frac{9}{16}$ " high

Operating Leaf Size: 36" wide by 96" high

Stationary Leaf Size: 37" wide by 96" high

Frame Construction: The door frame is constructed of pine head and jambs. The corners of the door frame are coped and butted and secured using four #8 x 2 $\frac{1}{2}$ " long screws.

Panel Construction: The door leaf is 1 $\frac{3}{4}$ " thick mahogany construction. The leaf rails and stile are formed from solid mahogany and featured a floating panel. The joints use a cope and stick joint reinforced with 4" x $\frac{5}{8}$ " grooved dowels as follows: two at the top rail, one at the middle rail and three at the bottom rail. A solid Mahogany astragal is attached to the stationary leaf using 1 $\frac{3}{4}$ " long finish nails located 1" from each end and spaced 10" o.c. thereafter.

Reinforcements: None.

Glazing Material: The door assembly utilizes $\frac{5}{8}$ " thick sealed insulating glass consisting of two $\frac{1}{8}$ " thick, clear sheets of tempered glass, with a center lite of $\frac{1}{8}$ " decorative textured glass separated by a $\frac{3}{8}$ " aluminum spacer. Decorative insert models include Princeton, Dartmouth, Columbia, Hamilton, Delta, Crockett and Madison.

Glazing Method: The unit is interior glazed using backbedding compound and a wood glazing bead. The glazing bead is sealed and secured with 18 gauge x 1" long brads located 3" from each corner and spaced 6" o.c. thereafter.

PRODUCT DESCRIPTION (continued):

Maximum Daylight Opening: 20 $\frac{1}{2}$ " wide x 66" high

Hardware:

- Hinges: Eight (8) total, 4" butt hinges located 13", 37 $\frac{1}{2}$ ", 62" and 86 $\frac{1}{2}$ " from the bottom rail of each door leaf.
- Entry lock: Schlage Series F360PLY entry lock and dead bolt located 35 $\frac{1}{2}$ " and 41" from the bottom rail of the operable door leaf.
- Flush bolts: Two (2) total, Worldwide Series 263B3 flush bolts located at the top and bottom corners of the stationary door leaf.
- Surface mount flush bolts: Baldwin Series 0381-003 surface mount flush bolts located at the top and bottom corners of either the operating door leaf only or both door leaves (see design pressure section).
- Threshold: Aluminum threshold sealed to the jambs at each end with butyl caulk.

Product Identification: All doors shall be labeled with the manufacturer's name, series number and design pressure rating.

LIMITATIONS

Design Pressures:

System	Maximum Door Width (inches)	Maximum Door Height (inches)	Design Pressure (psf)
Double Door (Two flush bolts)	74 $\frac{3}{16}$	96	+23.2, - 29.3
Double Door (Four flush bolts)	74 $\frac{3}{16}$	96	+27.2, - 34.3

Impact Resistant: These door assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. The installation of this unit will require an impact protective system.

Acceptance of Smaller Systems: Door assemblies with dimensions equal to or smaller than those specified are acceptable within the limitations of this report.

INSTALLATION INSTRUCTIONS

General: The door assemblies shall be installed according to the manufacturer's installation instructions and this product evaluation. The wood framing members shall be minimum Southern Yellow Pine lumber.

Installation:

Frame:

Jambs: Six (6) total, #8 x 2 $\frac{1}{2}$ " long wood screws in each jamb spaced 1 $\frac{1}{2}$ " from the corners and 20" o.c. thereafter.

Head: Seven (7) total, #8 x 2 $\frac{1}{2}$ " long wood screws located 1 $\frac{1}{2}$ ", 20 $\frac{1}{2}$ " and 39" from each corner and one at the midpoint.

Sill: #10 x 3 $\frac{1}{2}$ " long wood screws spaced 4" from the corners and 12" o.c. thereafter. The sill is sealed with butyl caulk.

Hinges: Hinges to door leaf: four (4) #8 x 2 $\frac{1}{2}$ " long wood screws" long wood screws for each hinge.
Hinges to door frame: four (4) #8 x 3" long wood screws for each hinge.

Strike plates: (2) #6 x 1" long wood screws.

Note: The manufacturer's installation instructions shall be available on the job site during installation. Fasteners shall be corrosion resistant as specified in the International Residential Code (IRC) and the International Building Code (IBC).